

IN THE SPECIFICATION

Please replace the second paragraph on page 5 beginning with "The present invention" with the following:

The present invention will now be described in greater detail with reference to the following Example where tests were conducted on Rats, which as a person skilled in the art will appreciate is an excellent animal model for human in the area of technology covered by this invention. The present invention will also be described with reference to the accompanying drawings wherein:

Fig. 1 illustrates one-dimensional SDS-PAGE GEL of serum protein profile of one rat before REM sleep deprivation, after 4th, 7th and 9th day REM sleep deprivation and after recovery (REC).

Fig. 2 shows the SDS GEL of serum protein profile of one rat after 4 and 7 days REM sleep deprivation and of another rat after 4 and 7 days on large platform control (LPC).

Fig. 3 shows the mean color intensity of the ~ 200 KDa protein band in the SDS-GEL from 9 rats before and after REM sleep deprivation and after recovery of REM sleep deprivation.

~~Fig. 4~~ Figs. 4A, 4B, 4C and 4D illustrates the two-dimensional SDS-PAGE protein profile of serum samples obtained at different times from one rat before REM sleep deprivation, after 4 and 7 days of REM sleep deprivation and after recovery from the effect of REM sleep deprivation.

~~Fig. 5~~ Figs. 5A, 5B and 5C illustrates the two-dimensional SDS PAGE protein profile of serum samples obtained at the start and after maintaining the rats on large

platform (LPC) which provided them with adequate opportunity to sleep including REM sleep.

~~Fig. 6~~ Figs. 6A and 6B illustrates the two-dimensional SDS PAGE protein profile of serum samples obtained before (SC-O Hr) and after a rat was made to swim for 6 Hr (SC-6 Hr) as control.

Please replace the second paragraph on page 12 beginning with "The two-dimensional" with the following:

The two-dimensional SDS-PAGE protein profile of serum samples obtained at different times from one rat before REM sleep deprivation, after 4 and 7 days of REM sleep deprivation and after recovery from the effect of REM sleep deprivation are illustrated in Fig 4. Comparison of the protein band intensity on different days revealed that band intensity of the ~200 KDa protein with pI between 4.5 to 5.0, was decreased after 4 days of deprivation (REMSD-4D) (Fig. 4B) as compared to its concentration in the pre-REM sleep deprivation sample (REMSD-0D) (Fig. 4A). The ~200 KDa band intensity was further decreased after 7 days of REM sleep deprivation (REMSD- 7D) (Fig. 4C). However, after 4 days of recovery from REM sleep deprivation (REMSD-4R) (Fig. 4R), the band intensity of the protein increased significantly and tended to approach the pre-REM sleep deprivation level (REMSD-0D).

IN THE DRAWINGS

Please substitute the following Replacement Sheets of Figures 1-12 to comply with the requirement in the Notice to File Missing Parts of Nonprovisional Application.